

UNCLASSIFIED

RDT&E BUDGET ITEM JUSTIFICATION SHEET (R-2 Exhibit)							DATE February 2000		
BUDGET ACTIVITY 04 - Demonstration and Validation				PE NUMBER AND TITLE 0603856F Air Force/National Program Cooperation (AFNPC)				PROJECT 644782	
COST (\$ in Thousands)	FY 1999 Actual	FY 2000 Estimate	FY 2001 Estimate	FY 2002 Estimate	FY 2003 Estimate	FY 2004 Estimate	FY 2005 Estimate	Cost to Complete	Total Cost
644782 AF/NRO Partnership	2,033	0	3,370	4,415	8,809	3,330	0	Continuing	TBD
Quantity of RDT&E Articles	0	0	0	0	0	0	0	0	0

Note: The AF/NRO Partnership PE, 0603856F, was an FY 1999 new start. Congress directed its merger with the National Security Space Architect (NSSA) in FY 2000 into a new entity entitled 'AF/National Program Cooperation (AFNPC)'. FY 2000 AFNPC funding was executed in PE 0305917F. In FY 2001 the NSSA moves to a defense-wide PE (number TBD); remaining AFNPC funding moves to this PE, 0603856F. These efforts are not new starts.

(U) **A. Mission Description**

(U) Air Force/National Program Cooperation (AFNPC) provides resources to identify areas for Air Force cooperative space efforts with the intelligence community (IC) and to conduct joint AF-IC demonstrations, operations, resource assessments, and space activities. AFNPC efforts result in low-cost, high-benefit enhancements to existing programs, thereby enabling key improvements to space and space-related capabilities; they also prevent duplication of efforts, creating cost savings. Better partnership between the Air Force and the IC will help to revolutionize and operationalize space in the 21st century. AFNPC currently supports two efforts, which both began in FY 1999 under the aegis of the AF/NRO Partnership, PE 0603856F: 1) the AF/NRO Integration Planning Group and 2) the SBIRS TI project.

(U) The AF/NRO Integration Planning Group (ANIPG) engenders greater AF-NRO synergies in R&D, operations, and programs by developing options for increasing integration across the entire range of AF and NRO space activities. ANIPG-developed recommendations on policy, plans, programs, requirements, architectures, acquisition, and resources are submitted to HQ USAF and NRO staffs and leadership for mutual agreement and implementation. Past, present, and future initiative areas include precision targeting, communications, combat identification, joint acquisition, and reduction in operations personnel tempos for airborne intelligence, surveillance, and reconnaissance (ISR) assets. ANIPG efforts are key facilitators for enhancing AF and NRO capabilities and increasing the cost-effectiveness of AF and NRO space efforts.

(U) The Space-Based Infrared System Technical Intelligence (SBIRS TI) project develops processing capabilities to exploit SBIRS High sensor data for the technical intelligence mission. These enhancements will provide data extraction, processing, exploitation, and sensor cross-cueing capabilities needed to meet fundamental SBIRS requirements for theater missile defense, technical intelligence, and battlespace characterization. Specifically, the project assists in satisfying SBIRS Operational Requirements Document threshold requirements for real-time technical intelligence by A) developing a backup center for remotely-controlled TI pre-processing at remote ground stations and B) integrating SBIRS data with other intelligence source data. TI is a militarily-significant mission: obtained data are used to maximize operational weapons system effectiveness by optimizing detection, classification/typing, and negation capabilities for warning and active defense systems.

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(U) **A. Mission Description Continued**

(U) The intelligence community matches Air Force FY or aggregate FYDP funds for the joint projects funded through this PE. IC funds are reported in Intelligence Program Objective Memorandum (IPOM) submissions.

(U) **FY 1999 (\$ in Thousands)**

(U) \$825	Technical support to the AF/NRO Integration Planning Group (ANIPG)
(U) \$1,208	Developing processing capabilities to exploit SBIRS sensor data for technical intelligence
(U) \$2,033	Total

(U) **FY 2000 (\$ in Thousands)**

(U) \$0	AFNPC FY 2000 funding is being executed in PE 0305917F
(U) \$0	Total

(U) **FY 2001 (\$ in Thousands)**

(U) \$1,820	Technical support to the AF/NRO Integration Planning Group (ANIPG)
(U) \$1,550	Developing processing capabilities to exploit SBIRS sensor data for technical intelligence
(U) \$3,370	Total

(U) **B. Budget Activity Justification**

(U) This PE is in Budget Activity 4 ('Demonstration and Validation') because the projects involve testing and demonstrating new cooperative efforts.

(U) **C. Program Change Summary (\$ in Thousands)**

	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>Total Cost</u>
(U) Previous President's Budget (FY 2000 PBR)	2,107	2,905	3,371	TBD
(U) Appropriated Value	2,166	0		
(U) Adjustments to Appropriated Value				
a. Congressional/General Reductions	-59			
b. Small Business Innovative Research	-69			
c. Omnibus or Other Above Threshold Reprogram				
d. Below Threshold Reprogram				
e. Rescissions	-5			

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AFNPC funding is being executed in the NSSA PE in FY 2000.</p> <p>(U) FY 2001 forward: NSSA funding moves to a defense-wide PE (number TBD). AFNPC funding moves to this PE, 0603856F.</p> <p>(U) <u>D. 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BUDGET ACTIVITY

PE NUMBER AND TITLE

PROJECT

04 - Demonstration and Validation

0603856F Air Force/National Program Cooperation
(AFNPC)

644782

(U) F. Schedule Profile Continued

					FY 1999				FY 2000				FY 2001			
					1	2	3	4	1	2	3	4	1	2	3	4
(U)	2) Multi-Mission Satellites Exploration						*	*	*	X	X	X	X	X	X	X
(U)	-Interagency Projects Office Workshop						*									
(U)	-Concept Evaluation MOA								*							
(U)	-Multi-mission CONOPS Development							*								
(U)	3) Low-Density High-Demand (LDHD) Asset Relief Issues						*	*	*	X	X	X	X	X	X	X
(U)	- Collection Mgmt & Tasking Workshop							*								
(U)	- Intelligence Processing & Exploitation Workshop									X						
(U)	- Dissemination Workshop										X					
(U)	4) Space Staff Meeting Integration Reviews	*	*	*	*	*	*	*	*	X	X	X	X	X	X	X
(U)	SBIRS TI Capability Development:															
(U)	GCS Mission Control Station Initial Operating Capability										X					
(U)	NSTS/DICES Mission Control Station Initial Operating Capability										X					
(U)	Remote Technical Intelligence Console Design & Development									X	X	X	X	X	X	X
(U)	CTIC/BTIC Design & Development									X	X	X	X	X	X	X
(U)	Technical Intelligence Real Time Ops Design & Development									X	X	X	X	X	X	X

* = Completed Event

X = Planned Event

(U) Some ANIPG schedule events have changed from the FY00 President's Budget RDT&E Budget Item Justification Sheet for this PE as a result of reprioritization of efforts by the two ANIPG partner agencies.

(U) SBIRS TI acronyms are as follows:

GCS - Global Connectivity Service

NSTS/DICES - NSA Secure Telephone System/Digital Integrated Communications Electronic System

CTIC/BTIC - Collaborative Technical Intelligence Center / Backup Technical Intelligence Center

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Exhibit R-2 (PE 0603856F)

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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)								DATE February 2000																																																																																																																													
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RDT&E PROGRAM ELEMENT/PROJECT COST BREAKDOWN (R-3)					DATE February 2000	
BUDGET ACTIVITY 04 - Demonstration and Validation			PE NUMBER AND TITLE 0603856F Air Force/National Program Cooperation (AFNPC)		PROJECT 644782	
<p>(U) <u>Government Furnished Property Continued:</u></p> <p style="margin-left: 20px;"><u>Support and Management Property</u></p> <p style="margin-left: 20px;">None</p> <p style="margin-left: 20px;"><u>Test and Evaluation Property</u></p> <p style="margin-left: 20px;">None</p>						
	<u>Total Prior</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget</u>	<u>Budget to</u>	<u>Total</u>
<u>Subtotals</u>	<u>to FY 1999</u>	<u>FY 1999</u>	<u>FY 2000</u>	<u>FY 2001</u>	<u>Complete</u>	<u>Program</u>
Subtotal Product Development	0	1,208	0	1,550	11,089	13,847
Subtotal Support and Management	0	825	0	1,820	TBD	TBD
Subtotal Test and Evaluation						
Total Project	0	2,033	0	3,370	TBD	TBD
<p>*FY 2000 funding for ANIPG and SBIRS-TI is being executed under PE 0305917F.</p>						
<div style="display: flex; justify-content: space-between; margin-top: 20px;"> Project 644782 Page 6 of 6 Pages Exhibit R-3 (PE 0603856F) </div>						